

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 0    | ("4,850,660.pn.").<br>PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2010/07/15<br>14:16 |
| S2    | 2    | "4850660".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2010/07/15<br>14:16 |
| S3    | 2    | "4783373".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2010/07/15<br>14:26 |
| S4    | 5213 | (solar NEAR2 cell)<br>and (film or<br>laminate or<br>composite or<br>multilayer or (multi<br>adj layer) or<br>(multiple NEAR2<br>layer)) and<br>(((conductive or<br>chrome or<br>chromium or<br>chromia or nickel or<br>rhodium) NEAR10<br>(oxide or nitride or<br>carbide)) and (non<br>adj conductive or<br>nonconductive or<br>silica or (silicon<br>NEAR5 oxide) or<br>(silicon adj dioxide)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/03/22<br>16:35 |

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| S5 | 4546 | (solar NEAR2 cell) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) and (film or laminate or composite or multilayer or (multi adj layer) or (multiple NEAR2 layer))) and ((conductive or chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide)) and (non adj conductive or nonconductive or silica or (silicon NEAR5 oxide) or (silicon adj dioxide)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>16:41 |
| S6 | 3388 | (solar NEAR2 cell) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME (film or laminate or composite or multilayer or (multi adj layer) or (multiple NEAR2 layer))) and ((conductive or chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide)) and (non adj conductive or   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>16:42 |

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|    |      | nonconductive or silica or (silicon NEAR5 oxide) or (silicon adj dioxide))  |   |    |    |                     |
| S7 | 1544 | (solar NEAR2 cell) and (film or laminate or composite or multilayer or (multi adj layer) or (multiple NEAR2 layer)) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((conductive or chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((non adj conductive) or nonconductive or silica or (silicon NEAR5 oxide) or (silicon adj dioxide))) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>16:47 |

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| S8 | 378 | (solar NEAR2 cell) SAME (film or laminate or composite or multilayer or (multi adj layer) or (multiple NEAR2 layer)) SAME ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((conductive or chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((non adj conductive) or nonconductive or silica or (silicon NEAR5 oxide) or (silicon adj dioxide))) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>16:47 |
| S9 | 421 | (solar NEAR2 cell) SAME (film or laminate or composite or multilayer or (multi adj layer) or (multiple NEAR2 layer)) SAME ((transparent\$3 or translucent or transparency or transmit\$5 or lucent  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>17:00 |

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|     |     | <p>or clear or (see adj through) or diaphonous or pellucid) SAME ((conductive or chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((non adj conductive) or nonconductive or silica or (silicon NEAR5 oxide) or (silicon adj dioxide) or "SiO.sub.2"))</p> |   |    |    |                     |
| S10 | 448 | <p>(solar NEAR2 cell) SAME (film or laminate or composite or multilayer or (multi adj layer) or coating or (multiple NEAR2 layer)) SAME ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((conductive or chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) and ((transparent\$3 or translucent or</p>           | <p>US-PGPUB;<br/>USPAT;<br/>USOCR; FPRS;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</p> | OR | ON | 2011/03/22<br>17:00 |

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|     |     | transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((non adj conductive) or nonconductive or silica or (silicon NEAR5 oxide) or (silicon adj dioxide) or "SiO.sub.2"))   |   |    |    |                     |
| S11 | 372 | (solar NEAR2 cell) and (film or laminate or composite or multilayer or (multi adj layer) or coating or (multiple NEAR2 layer)) and (((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((conductive or chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) and (alternate\$5 or (every adj other)) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((non adj conductive) or nonconductive or silica or (silicon | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>17:15 |

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|     |     | NEAR5 oxide) or (silicon adj dioxide) or "SiO.sub.2"))  |  |    |    |                  |
| S12 | 354 | (solar NEAR2 cell) and (film or laminate or composite or multilayer or (multi adj layer) or coating or (multiple NEAR2 layer)) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME (film or layer or coating) SAME ((conductive or chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) and (alternate\$5 or (every adj other)) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME (film or coating or layer) SAME ((non adj conductive) or nonconductive or silica or (silicon NEAR5 oxide) or (silicon adj dioxide) or "SiO.sub.2")) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/03/22 17:16 |

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| S13 | 1 | (solar NEAR2 cell) and (film or laminate or composite or multilayer or (multi adj layer) or coating or (multiple NEAR2 layer)) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME (conduct\$4 NEAR5 (film or layer or coating)) SAME ((chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) and (alternate\$5 or (every adj other)) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((non adj conduct \$5) or nonconduct% 5 NEAR5 (film or coating or layer)) SAME (silica or (silicon NEAR5 oxide) or (silicon adj dioxide) or "SiO. sub.2")) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>17:22 |
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| S14 | 0 | (solar NEAR2 cell) and (film or laminate or composite or multilayer or (multi adj layer) or coating or (multiple NEAR2 layer)) and ((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME (conduct\$4 NEAR5 (film or layer or coating)) SAME ((chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) and (alternate\$5 or (every adj other)) SAME ((transparent \$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((non adj conduct \$5) or nonconduct% 5 NEAR5 (film or coating or layer)) SAME (silica or (silicon NEAR5 oxide) or (silicon adj dioxide) or "SiO. sub.2")) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/03/22 17:24 |
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| S15 | 6 | (film or laminate or composite or multilayer or (multi adj layer) or coating or (multiple NEAR2 layer)) and (((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME (conduct\$4 NEAR5 (film or layer or coating)) SAME ((chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) and (alternate\$5 or (every adj other)) SAME ((transparent \$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((non adj conduct \$5) or nonconduct% 5 NEAR5 (film or coating or layer)) SAME (silica or (silicon NEAR5 oxide) or (silicon adj dioxide) or "SiO. sub.2")))) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>17:24 |
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| S17 | 7953 | (524/430 or 524/399 or 524/434 or 524/555 or 524/910) or (252/518.1 or 252/519.12 or 252/519.33 or 252/520.1)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>17:38 |
| S19 | 3466 | S17 and (coating or film or laminate or layer\$3 or multilayer \$3 or (multi adj layer \$3)) and (alternat\$5 or (every adj other))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>17:40 |
| S20 | 1896 | S19 and (transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>17:41 |
| S21 | 96   | S20 and (((conductive or chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) and (((transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid) SAME ((non adj conductive) or nonconductive or silica or (silicon NEAR5 oxide) or (silicon adj dioxide))) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>17:41 |

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| S22 | 11   | S21 and (solar adj cell)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>17:42 |
| S23 | 833  | 252/518.1   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>22:42 |
| S24 | 743  | 252/520.1 or<br>252/521.1 or<br>252/521.2 or<br>252/521.5 or<br>252/519.5   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>22:47 |
| S25 | 662  | S24 and (coating or film or laminate or layer\$3 or multilayer \$3 or (multi adj layer \$3))                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>22:49 |
| S26 | 56   | S24 and (coating or film or laminate or layer\$3 or multilayer \$3 or (multi adj layer \$3)) and (solar adj cell) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>22:50 |
| S27 | 54   | S23 and (coating or film or laminate or layer\$3 or multilayer \$3 or (multi adj layer \$3)) and (solar adj cell) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/22<br>23:57 |
| S28 | 3421 | 136/254 or 136/256  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/23<br>11:02 |
| S29 | 1076 | S28 and (emission or anti adj reflecti \$3)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/23<br>11:03 |

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| S30 | 1066 | S29 and (coating or film or laminate or layer\$3 or multilayer\$3 or (multi adj layer\$3))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/23<br>11:03 |
| S31 | 786  | S29 and ((emission or anti adj reflecti\$3) NEAR10 (coating or film or laminate or layer\$3 or multilayer\$3 or (multi adj layer\$3)))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/23<br>11:04 |
| S32 | 805  | S29 and (transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/23<br>11:04 |
| S33 | 552  | S31 and (transparent\$3 or translucent or transparency or transmit\$5 or lucent or clear or (see adj through) or diaphonous or pellucid)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/23<br>11:05 |
| S34 | 41   | S33 and ((conduct\$4 NEAR5 (film or layer or coating) or ((chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) SAME ((non adj conduct\$5) or nonconduct%5 NEAR5 (film or coating or layer))) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/23<br>11:08 |

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| S35 | 251 | S33 and ((conduct \$4 NEAR5 (film or layer or coating) or ((chrome or chromium or chromia or nickel or rhodium) NEAR10 (oxide or nitride or carbide))) SAME ((non adj conduct \$5) or nonconduct% 5 NEAR5 (film or coating or layer)) or (silicon NEAR5 oxide) or (silicon adj dioxide)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/23<br>11:08 |
| S36 | 2   | "5251202".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/23<br>15:47 |

**EAST Search History (Interference)**

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